Fisheries Production Statistics Of British Columbia

1984

Province of British Columbia
Ministry of Environment
Fisheries Branch

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OF BRITISH COLUMBIA

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FOREWORD

This is the fourth issue of the Fisheries Production Statistics of British Columbia to be published by the Province of British Columbia, Ministry of Environment. Prior to the 1981 edition, production statistics were published by the Department of Fisheries and Oceans dating back to 1951.

This report is a summary of fish production reported in the 1984 census of fish processing plants licenced in British Columbia. The format is similar to previous years in which the majority of the text and tables document data pertaining to fish landings and production. In addition, information relating to licencing within the fishing and fish processing sectors is also reported. A number of new tables have been included this year. They document historic information on the quantity of fresh and frozen dressed salmon production, the average prices of canned and fresh/frozen dressed salmon and over-the-side sales of hake to foreign countries. In addition, a table reporting the different product types of dressed salmon production by species in 1984 is included. The consumer price index for the years 1973 to 1984, to be used in conjunction with the Tables reporting historic average prices of major salmon products, is also presented.

A number of other changes have been made to this year's report. Table 8, which reports the landed and wholesale value of salmon by year, has traditionally included the wholesale value derived from canning salmon caught in the United States. This value has been removed from the Table. It now presents a more accurate representation of the relationship between the landed and wholesale values of salmon caught in B.C. waters. Also, for the first time, salmon roe production is broken down by species in Table 10 and chum salmon is categorized as silver brite, semi-brite and dark in Table 16. Finally, historic data is now presented in 12 year periods in order to compare catch and production statistics with natural salmon cycles.

It should be noted that all data on fish landings is provided by the Department of Fisheries and Oceans. 1984 data is in preliminary form.

All quantity data are presented in tonnes, except where otherwise indicated, and values are shown in thousands of dollars. One tonne equals 2,204.6 pounds or 1,000 kilograms.

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I. SUMMARY OF THE BRITISH COLUMBIA FISHING AND FISH PROCESSING INDUSTRIES - 1984

In 1984, the quantity of British Columbia fish landings decreased by 12 percent from 188,472 tonnes recorded in 1983 to 165,833 tonnes. The corresponding landed value however, rose by 16 percent from $209.8 million to $242.9 million. The decline in landings was largely attributable to decreased pink salmon landings, while the increased landed value reflects a substantial increase in the price that was paid for the highly valued chinook salmon. Total salmon landings dropped by 33 percent while the landed value increased by 30 percent. The combined herring fisheries experienced decreases in both landings and landed value while the halibut, groundfish and shellfish fisheries displayed increases in both landings and the landed value compared to 1983.

The fish processing industry in British Columbia recorded a total wholesale value for all species of $467 million, a decrease of 1 percent from the previous year. Salmon and herring both recorded a decline in wholesale value of 3 and 11 percent respectively. The wholesale value of shellfish rose by 46 percent, while that of halibut and groundfish increased by 24 and 11 percent respectively.

From the perspective of the overall British Columbia economy, the commercial fishing industry contributed approximately 1 percent to the Provincial gross domestic product. The wholesale value derived from B.C. fish products, however, accounted for nearly 25 percent of the total value of Canadian marine fish production.

The regional distribution of the wholesale value of fisheries products processed in British Columbia remained similar to previous years, except that the lower mainland accounted for a somewhat smaller percentage, while Vancouver Island contributed a slightly higher than average percentage. Nevertheless, approximately 60 percent of the total value still originated from the lower mainland of B.C.

A total of 14,647 personal commercial fishing licences were issued by the Department of Fisheries and Oceans in 1984, including 487 5 year licences and 14,160 traditional 1 year licences. This compares with the 1983 total of 15,439 licences, which consisted of 749 5 year licences and 14,690 1 year licences. Excluding packers, a total of 6,848 vessels were licenced to fish commercially in British Columbia.

One hundred and sixty-eight firms utilizing 144 plants reported processed fish production in 1984, including 35 companies that leased facilities or had fish custom frozen or processed. In addition, production was reported by 9 fishing companies that exported fresh fish to the United States and 10 salmon mariculture operations. The Provincial Fisheries Branch issued 186 fish processing licences, 417 fish buying licences, 272 fisherman's vending licences, 127 oyster picking permits and 27 marine plant harvesting licences.

TABLE 1 - QUANTITY AND VALUE OF B.C. FISH LANDINGS BY SPECIES - 1984

	QUANTITY LANDED (Tonnes)	LANDED VALUE ($'000)	WHOLESALE VALUE ($'000)
SALMON[1]	47,865	144,814	276,241
HERRING[2]	33,875	44,365	98,956
HALIBUT[3]	4,033	9,419	13,837
GROUNDFISH			
DOGFISH[4]	2,441	551	858
FLOUNDER	169	53	74
HAKE[5]	33,596	5,213	5,302
LINGCOD	3,707	2,183	3,931
GREY COD[6]	3,622	1,765	7,038
PACIFIC OCEAN PERCH	7,043	2,975	8,038
POLLOCK	596	136	1,485
ROCKFISH[7]	7,489	3,978	6,625
SABLEFISH[6]	3,852	6,998	8,829
SKATE	390	56	120
SOLE	3,225	2,072	4,913
TURBOT	360	75	1,246
OTHER GROUNDFISH	389[8]	7[8]	3,247[9]
SUB TOTAL	66,879	26,062	51,706
SHELLFISH			
ABALONE	58	530	560
CLAMS[10]	2,622	2,763	5,010
CRABS	1,155	4,558	5,639
GEODUCKS	3,483	2,937	5,175
OCTOPUS	25	56	110
OYSTERS	2,897	2,109	2,483
SHRIMP & PRAWNS	914[11]	4,284[11]	5,059
OTHER SHELLFISH	1,892[12]	808[12]	1,949[13]
SUB TOTAL	13,046	18,045	25,985
OTHER SPECIES			
STURGEON	8	12	11
TUNA[14]	47	113	175
OTHER	80[15]	100[15]	27[16]
SUBTOTAL	135	225	213
TOTAL	165,833	242,930	466,938

TABLE 1 - CONT'D - FOOTNOTES

1 Includes salmon roe. Wholesale value includes production derived from U.S. salmon.
2 Includes herring spawn on kelp.
3 Includes landings at United States ports of 923 tonnes valued at $2,197,382.
4 Estimated from catch statistics, production data and Canadian export data.
5 Includes 28,906 tonnes of hake valued at $4,652,735 delivered to foreign vessels in co-operative fishing arrangements.
6 Reported in round weight.
7 Includes red and rock bass, reedi, greenies, other rockfish, red snapper and silver perch.
8 Includes non-food fish.
9 Includes other groundfish, portions, sticks and specialities, fish meal n.e.s, fish oil n.e.s., and solubles n.e.s.
10 Includes horse clams.
11 Includes 124 tonnes of prawns worth an estimated $798 thousand not reported on sales slips.
12 Includes scallops, sea urchins, squid, mussels, crayfish, snails and sea cucumbers.
13 Includes sea urchins, squid, scallops, mussels, sea cucumbers and other shellfish n.e.s.
14 No landings in Canadian waters reported. Includes 18 tonnes worth $61,207 caught in U.S. waters and landed in Canada as well as 29 tonnes caught in U.S. waters valued at $51,934 and landed at U.S. ports by Canadian fishermen.
15 Includes eulachons, idiotfish, mackerel, shad, smelt, shark, anchovies and plankton.
16 Includes eulachons, smelt and floating kelp.

TABLE 2 - LANDED AND WHOLESALE VALUE OF FISH AND FISH PRODUCTS IN B.C.

1973 - 1984

	Excludes halibut and tuna landed by B.C. fishermen at U.S. ports and hake sold to foreign processors		Includes halibut and tuna landed by B.C. fishermen at U.S. ports and hake sold to foreign processors			
YEAR	LANDED VALUE ($'000)	WHOLESALE VALUE ($'000)	LANDED VALUE ($'000)	% CHANGE	WHOLESALE VALUE ($'000)	% CHANGE
1973	127,059	281,647	130,409	+ 74	284,997	+ 79
1974	100,282	219,758	100,976	- 23	220,452	- 23
1975	76,611	163,948	79,681	- 21	167,018	- 24
1976	138,820	294,590	141,851	+ 78	297,621	+ 78
1977	165,005	359,905	167,905	+ 18	362,556	+ 22
1978	243,731	510,667	250,805	+ 49	517,741	+ 43
1979	330,019	563,181	332,972	+ 33	566,134	+ 9
1980	180,529	402,191	184,108	- 45	405,770	- 28
1981	232,358	523,754	236,156	+ 28	526,928	+ 30
1982	235,519	461,159	241,205	+ 2	466,845	- 11
1983	203,094	465,090	209,772	- 13	471,768	+ 1
1984	236,028	460,036	242,930	+ 16	466,938	- 1

TABLE 3 - DISTRICT CATCH BY SPECIES - 1984 (LANDED WEIGHT IN TONNES)

Species	North[1] Coast	South Coast	Fraser Area	Total	Landed Value ($'000)
Chinook	1,995	3,346	156	5,497	37,318
Sockeye	3,380	7,104	2,311	12,795	45,976
Coho	3,083	5,671	26	8,780	35,532
Pink	11,237	457	1	11,695	10,742
Chum	6,151	2,777	13	8,941	14,938
Steelhead	138	10	2	150	292
Subtotal	25,984	19,365	2,509	47,858	144,798
Salmon Roe	5	2	*	7	16
TOTAL SALMON	25,989	19,367	2,509	47,865	144,814
Herring	16,028	17,675	-	33,703	39,857
Herring Spawn on Kelp	155	17	-	172	4,508
TOTAL HERRING	16,183	17,692	-	33,875	44,365
Halibut[2]	2,725	385	-	3,110	7,222
Dogfish[3]	n/a	n/a	n/a	2,441	551
Flounder	152	16	1	169	53
Hake[4]	*	4,332	358	4,690	560
Ling Cod	781	2,926	*	3,707	2,183
Grey Cod[5]	2,048	1,572	2	3,622	1,765
Pacific Ocean Perch	6,239	804	-	7,043	2,975
Pollock	457	139	-	596	136
Rockfish[6]	3,666	3,821	2	7,489	3,978
Sablefish[5]	2,369	1,483	*	3,852	6,998
Skate	313	76	1	390	56
Soles	2,238	986	1	3,225	2,072
Turbot	273	87	-	360	75
Other Groundfish[7]	333	56	-	389	7
Groundfish Subtotal	18,869	16,298	365	37,973	21,409
Abalone	46	12	-	58	530
Clams[8]	105	2,517	*	2,622	2,763
Crabs	296	518	341	1,155	4,558
Geoducks	574	2,909	-	3,483	2,937
Octopus	11	14	*	25	56
Oysters[9]	-	2,897	-	2,897	2,109
Shrimp and Prawns[10]	144	530	240	914	4,284
Scallops	1	17	-	18	56
Squid	2	12	*	14	17
Other Shellfish[11]	3	1,851	6	1,860	735
Shellfish Subtotal	1,182	11,277	587	13,046	18,045

TABLE 3 - CONT'D

Species	North Coast	South Coast	Fraser Area	Total	Landed Value ($'000)
Eulachons	-	-	12	12	11
Smelt	-	*	2	2	4
Sturgeon	2	2	4	8	12
Tuna[12]	-	-	-	-	-
Other[13]	40	26	*	66	85
Other Subtotal	42	28	18	88	112
TOTAL	64,990	65,047	3,479	135,957	235,967

1 Includes landings in the Taku/Stikine district.
2 Excludes 923 tonnes of halibut valued at $2,197,382 landed at U.S. ports.
3 Estimated from catch statistics, production data and Canadian export data. Not available by district.
4 Does not include 28,906 tonnes of hake valued at $4,652,735 delivered to foreign vessels in co-operative fishing arrangements.
5 Reported in round weight.
6 Includes red and rock bass, reedi, greenies, other rockfish, red snapper and silver perch.
7 Includes non-food fish.
8 Includes horse clams.
9 Data supplied by the Ministry of Environment, Marine Resources Section.
10 Includes 124 tonnes of prawns worth an estimated $798 thousand not reported on sales slips.
11 Includes crayfish, mussels, snails, sea urchins and sea cucumbers.
12 Does not include 18 tonnes worth $61,207 caught in U.S. waters and landed in Canada, as well as 29 tonnes caught in U.S. waters valued at $51,934 and landed at U.S. ports by Canadian fishermen.
13 Includes idiotfish, shad, mackerel, shark, anchovies and plankton.

* Less than 1 tonne reported.

n/a: Not available entries are only included in grand totals but not in the regional subtotals.

TABLE 4 - REGIONAL WHOLESALE VALUE OF B.C. FISHERIES PRODUCTION BY PRODUCT CATEGORY 1983 - 1984[1]

($000)

PRODUCT CATEGORY	LOWER MAINLAND		VANCOUVER IS.		SUNSHINE COAST		CENTRAL & NORTH COAST		TOTAL B.C.	
	1983	1984	1983	1984	1983	1984	1983	1984	1983	1984
Fresh	26,634	32,699	7,606	12,555	573	1,939	3,410	5,957	38,223	53,150
Frozen	61,265	89,783	22,365	39,571	190	525	34,517	53,391	118,337	183,270
Cured	81,360	79,755	9,711	7,757	9	134	27,355	27,590	118,435	115,236
Canned	118,102	56,852	4,247	1,166	-	-	53,853	36,482	176,202	94,500
Other	12,261	12,219	142	35	-	9	1,490	1,617	13,893	13,880
GRAND TOTAL	299,622	271,308	44,071	61,084	772	2,607	120,625	125,037	465,090	460,036

[1] Does not include hake over-the-side sales, and halibut and tuna landed in U.S. ports.

II. SUMMARY BY SPECIES

A) SALMON

Salmon landings declined by approximately 33 percent in 1984 compared to 1983, dropping from 71,765 to 47,865 tonnes. The landed value, however, increased by 30 percent, from $111.1 million to $144.8 million. This was due in part to increased prices paid for all species of salmon, particularly for chinook, coho and sockeye. Another contributing factor was that chinook landings, which are the most highly valued species of salmon, increased by approximately 17 percent.

Seine gear accounted for 40.6 percent of the landings, while troll gear was responsible for 34.1 percent and gillnet gear 25.3 percent. Seine gear harvested large quantities of pink, chum and sockeye salmon. Gillnet gear also landed a significant amount of sockeye and chum, along with the majority of steelhead. Troll gear accounted for the majority of chinook and coho landings, along with 20 percent of the pink catch.

Despite the fact that landings decreased significantly, the wholesale value of salmon production only declined by 3 percent in 1984, from $284.3 million in 1983 to $276.2 million. This relatively minor decline, when compared to the significant drop in landings, was due to the fact that the average price paid for both frozen and canned products generally increased. Overall, the wholesale value of salmon contributed 59 percent to the total wholesale value of the British Columbia fish processing industry, compared to 60 percent in 1983.

A major shift occurred in the mix of salmon product types in 1984. Frozen salmon accounted for 53 percent of the total salmon wholesale value, compared to 28 percent in 1983. The wholesale value of canned salmon was only 34 percent of the 1984 salmon value, down significantly from 62 percent in 1983. As usual, this shift is largely due to the changes in volumes and species mix during the harvest season. In 1984, pink landings, which are generally directed toward the canned market, declined by approximately 70 percent while chinook landings, which are generally marketed in a frozen form, increased by 16 percent.

The 1984 canned salmon pack consisted of 666,668 forty-eight pound cases, the lowest since 1975. Compared to 1983, the 1984 canned pack decreased by 55 percent while the wholesale value declined by 46 percent. In 1984, pink salmon accounted for 51 percent, sockeye 35 percent, chum 10 percent, coho 4 percent and others less than 1 percent of the total cases produced. In terms of wholesale value, however, sockeye contributed 49 percent, while pink accounted for 40 percent, chum 7 percent and coho 4 percent. Overall, the total wholesale value for all canned salmon was 10 percent greater than the total net selling value.

For the first time in 1984, fish processors were asked to report their fresh/frozen dressed salmon production as either head-on or head-off. In addition, chum salmon was also reported for the first time as silver brite, semi-brite or dark. Generally, fresh dressed salmon production was nearly evenly divided between head-on and head-off products, while most frozen dressed salmon was marketed in a head-off form. Frozen dressed, head-off salmon accounted for more than 80 percent of the total dressed production, with the highest price received for frozen dressed, head-off red chinooks.

Salmonid mariculture production declined by 16 percent to 107 tonnes in 1984, compared to 129 tonnes in 1983. The wholesale value also dropped, from $708 thousand to $702 thousand, a one percent decrease. Salmonid mariculture production is expected to increase in 1985, as a number of new operations will be marketing fish for the first time, plus some fish held over for longer grow-out will be marketed. It should be noted that salmonid mariculture production is included in the British Columbia salmon totals.

Fresh, mild cured, smoked and other specialty products, along with roe and salmon by-products were also processed. These different products accounted for approximately 13 percent of the total wholesale value of salmon production. It should be noted that salmon roe production by species is reported for the first time in 1984.

TABLE 5 - LANDINGS OF SALMON BY SPECIES AND GEAR 1973 - 1984

(Round Weight in Tonnes)

GILLNET GEAR

	CHINOOK (t)	SOCKEYE (t)	COHO (t)	PINK (t)	CHUM (t)	TOTAL (t)	VALUE ($'000)	NUMBER OF DELIV. ('000)	AVERAGE CATCH PER DELIV. (kg)	AVERAGE VALUE PER DELIV. ($)
1973	1,204	15,276	1,796	2,719	15,705	36,751	40,288	109	337	369
1974	982	11,026	1,689	2,685	7,943	24,367	26,672	89	274	300
1975	1,031	4,223	1,524	2,353	2,845	12,014	15,014	61	197	246
1976	1,027	7,655	1,177	3,013	4,841	17,746	25,825	78	228	331
1977	1,129	10,793	1,357	5,470	3,229	22,028	34,416	83	265	415
1978	997	7,819	1,281	2,319	6,641	19,102	38,687	69	277	561
1979	886	7,435	774	2,146	2,151	13,430	34,796	52	258	669
1980	670	3,265	848	1,711	7,548	14,084	31,042	51	276	609
1981	652	9,031	562	4,660	3,182	18,153	39,222	53	342	740
1982	917	9,817	870	526	5,525	17,742	41,387	51	348	811
1983	594	4,472	531	3,886	2,575	12,100	20,586	46	263	448
1984	763	6,542	518	1,826	2,988	12,761	35,674	51	250	699

SEINE GEAR

	CHINOOK (t)	SOCKEYE (t)	COHO (t)	PINK (t)	CHUM (t)	TOTAL (t)	VALUE ($'000)	NUMBER OF DELIV. ('000)	AVERAGE CATCH PER DELIV. (kg)	AVERAGE VALUE PER DELIV. ($)
1973	583	5,784	2,084	7,943	16,943	33,339	31,817	17	1,961	1,872
1974	531	7,882	1,611	7,547	4,460	22,034	20,319	13	1,695	1,563
1975	558	1,152	1,901	6,026	2,483	12,128	11,934	10	1,213	1,193
1976	492	4,395	1,197	12,790	6,044	24,925	26,712	14	1,780	1,908
1977	926	6,237	1,981	12,814	2,696	24,661	29,697	16	1,541	1,856
1978	886	11,107	1,108	12,326	8,901	34,337	57,796	13	2,641	4,446
1979	903	5,861	1,539	13,983	2,425	24,717	42,522	12	2,060	3,544
1980	588	4,327	1,252	9,650	8,972	24,796	41,854	12	2,066	3,488
1981	774	11,636	1,430	24,297	2,847	40,994	63,864	10	4,099	6,386
1982	780	12,617	1,245	3,148	9,147	26,952	51,818	10	2,695	5,181
1983	496	9,006	1,354	30,207	2,150	43,225	48,443	11	3,930	4,404
1984	444	5,791	843	7,811	5,603	20,514	38,399	13	1,578	2,953

TABLE 5 - CONT'D

	TROLL GEAR									
	CHINOOK	SOCKEYE	COHO	PINK	CHUM	TOTAL	VALUE	NUMBER OF DELIV.	AVERAGE CATCH PER DELIV.	AVERAGE VALUE PER DELIV.
	(t)	(t)	(t)	(t)	(t)	(t)	($'000)	('000)	(kg)	($)
1973	5,769	467	7,370	2,644	115	16,368	27,893	132	124	211
1974	6,123	2,786	7,078	974	76	17,043	27,007	126	135	214
1975	5,701	305	4,312	1,861	60	12,241	19,965	121	102	165
1976	6,257	288	6,948	1,254	37	14,790	39,405	134	110	294
1977	5,467	358	6,519	6,439	107	18,893	44,612	146	129	303
1978	6,004	3,395	6,763	686	313	17,165	61,681	150	114	411
1979	5,056	1,236	8,029	8,567	175	23,067	83,215	163	142	511
1980	5,282	135	6,925	2,357	289	14,991	44,107	189	79	233
1981	4,490	333	5,522	9,296	128	19,774	54,984	164	121	335
1982	5,395	7,709	7,182	303	419	21,010	71,897	169	124	420
1983	4,288	848	8,576	5,445	148	19,334	42,056	170	114	247
1984	5,047	544	8,728	2,422	412	17,157	70,725	138	124	513

Note: Totals include steelhead.

TABLE 6 - PERCENT SALMON LANDINGS BY SPECIES AND GEAR - 1984[1]

(Round Weight in Tonnes)

SPECIES	Gillnet Quantity	%	Seine Quantity	%	Troll Quantity	%	Total Tonnes
Chinook	763	12.2	444	7.1	5,047	80.7	6,254
Sockeye	6,542	50.8	5,791	45.0	544	4.2	12,877
Coho	518	5.1	843	8.4	8,728	86.5	10,089
Pink	1,826	15.1	7,811	64.8	2,422	20.1	12,059
Chum	2,988	33.2	5,603	62.2	412	4.6	9,003
Steelhead	124	82.7	22	14.7	4	2.7	150
TOTAL	12,761	25.3	20,514	40.7	17,157	34.0	50,432

TABLE 7 - LANDED AND WHOLESALE VALUE OF SALMON BY PRODUCT TYPE 1973 - 1934

($'000)

	LANDED VALUE	CANNED	FRESH	FROZEN	ROE	OTHER	TOTAL WHOLESALE VALUE
1973	99,998	127,065	9,836	60,639	18,435	5,667	221,642
1974	73,998	114,312	5,868	30,216	11,890	3,555	165,841
1975	46,913	43,252	9,153	36,781	6,410	4,152	99,748
1976	91,942	91,733	11,018	60,959	16,056	7,278	187,045
1977	109,176[1]	122,987	10,059	76,049	12,618	6,079	227,792
1978	158,686[1]	115,913	14,584	134,416	24,202	14,904	304,019
1979	161,113[1]	115,927	8,127	143,093	11,393	11,087	289,627
1980	117,149[1]	146,828	10,429	109,300	13,209	9,341	289,107
1981	158,226[1]	237,391	6,744	108,047	12,802	8,694	373,678
1982	165,207[1]	127,126	10,633	155,762	9,829	11,988	315,338
1983	111,097[1]	176,191	13,414	80,873	3,186	10,625	284,289
1984	144,814[1]	94,457	15,432	145,679	5,065	15,608	276,241

[1] Includes salmon roe.

TABLE 8 - LANDED AND WHOLESALE VALUE OF SALMON BY SPECIES 1973 - 1984

	Quantity Landed in Tonnes (Round Weight)	Landed Value ($'000)	Average Landed Price ($/kg)	Wholesale Value ($'000)[1]	Landed Value as a Percent of Wholesale Value (%)
CHINOOK					
1973	7,556	13,986	1.85	20,533	68.1
1974	7,637	13,803	1.81	18,864	73.2
1975	7,289	12,172	1.67	20,270	60.0
1976	7,776	22,919	2.95	29,314	78.2
1977	7,522	23,589	3.14	36,832	64.0
1978	7,887	29,461	3.74	35,897	82.1
1979	6,845	31,159	4.55	40,475	77.0
1980	6,540	24,307	3.72	38,421	63.3
1981	5,916	25,731	4.35	38,051	67.6
1982	7,092	31,205	4.40	41,490	75.2
1983	5,378	17,614	3.28	29,489	59.7
1984	6,254	37,318	5.97	45,861	81.4
SOCKEYE					
1973	21,526	26,497	1.23	69,009	38.4
1974	21,694	29,841	1.38	65,221	45.8
1975	5,681	8,184	1.44	19,538	41.9
1976	12,339	20,656	1.67	45,701	45.2
1977	17,388	32,218	1.85	65,497	49.2
1978	22,321	55,181	2.47	107,817	51.2
1979	14,532	43,307	2.98	81,008	53.5
1980	7,727	18,222	2.36	47,416	38.4
1981	21,000	54,577	2.60	122,073	44.7
1982	30,143	78,860	2.62	155,363	50.8
1983	14,326	36,617	2.56	83,988	43.6
1984	12,877	45,976	3.57	84,191	54.6
COHO					
1973	11,250	18,910	1.68	27,863	67.9
1974	10,378	13,834	1.33	24,375	56.8
1975	7,737	12,401	1.60	19,783	62.7
1976	9,322	21,331	2.29	29,906	71.3
1977	9,857	22,671	2.30	35,396	64.0
1978	9,152	27,269	2.98	41,023	66.5
1979	10,342	44,063	4.26	57,203	77.0
1980	9,025	23,078	2.56	43,568	53.0
1981	7,514	22,009	2.93	37,984	57.9
1982	9,297	26,144	2.81	42,582	61.4
1983	10,461	22,504	2.15	39,306	57.3
1984	10,089	35,532	3.52	59,624	59.6

TABLE 8 - CONT'D

	Quantity Landed in Tonnes (Round Weight)	Landed Value ($'000)	Average Landed Price ($/kg)	Wholesale Value ($'000)[1]	Landed Value as a Percent of Wholesale Value (%)
PINK					
1973	13,306	7,882	0.59	27,220	29.0
1974	11,207	5,791	0.52	22,215	26.1
1975	10,239	6,900	0.67	21,040	32.8
1976	17,056	12,124	0.71	37,085	32.7
1977	24,723	22,262	0.90	54,767	40.6
1978	15,331	12,835	0.84	37,852	33.9
1979	24,696	29,685	1.20	76,867	38.6
1980	13,718	15,118	1.10	50,425	30.0
1981	38,253	45,822	1.20	117,302	39.1
1982	3,977	3,195	0.80	13,675	23.4
1983	39,538	26,651	0.67	103,767	25.7
1984	12,059	10,742	0.89	38,195	28.1
CHUM					
1973	32,762	32,670	1.00	56,554	57.8
1974	12,479	10,680	0.86	22,350	47.8
1975	5,389	7,206	1.34	11,588	62.2
1976	10,922	14,835	1.36	27,075	54.8
1977	6,032	7,905	1.31	16,623	47.6
1978	15,855	33,336	2.10	50,878	65.5
1979	4,751	12,243	2.58	21,262	57.6
1980	16,809	36,197	2.15	63,960	56.6
1981	6,157	9,781	1.59	21,653	45.2
1982	15,091	25,528	1.69	42,768	59.7
1983	4,899	7,605	1.55	14,735	51.6
1984	9,003	14,938	1.66	34,835	42.9
STEELHEAD					
1973	57	53	0.93	121	43.8
1974	49	49	1.00	101	48.5
1975	49	50	1.02	110	45.5
1976	47	77	1.64	139	55.4
1977	59	80	1.36	223	35.9
1978	57	82	1.44	258	31.8
1979	48	96	2.00	250	38.4
1980	52	81	1.56	247	32.8
1981	81	147	1.81	387	38.0
1982	104	170	1.63	520	32.7
1983	57	94	1.65	308	30.5
1984	150	292	1.95	1,032	28.3

[1] Revised. Does not include the wholesale value derived from salmon caught in U.S. waters and canned in British Columbia. This data has been adjusted from previous reports.

TABLE 9 - WHOLESALE VALUE OF SALMON BY SPECIES 1973 - 1984

($'000)

	CHINOOK	SOCKEYE	COHO	PINK	CHUM	STEEL-HEAD	NOT CLASSIFIED	TOTAL WHOLESALE VALUE
1973	20,533	69,009	27,863	27,220	56,554	121	20,342	221,642
1974	18,864	65,221	24,375	22,215	22,350	101	12,715	165,841
1975	20,270	19,538	19,783	21,040	11,588	110	7,419	99,748
1976	29,314	45,701	29,906	37,085	27,075	139	17,825	187,045
1977	36,832	65,579	35,431	59,217	16,676	223	13,834	227,792
1978	35,897	107,817	41,023	39,544	50,878	258	28,602	304,019
1979	40,475	81,008	57,203	76,867	21,262	250	12,562	289,627
1980	38,427	68,224	43,645	58,655	64,608	248	15,300	289,107
1981	38,073	131,030	38,433	128,553	22,271	387	14,931	373,678
1982	41,495	158,492	42,595	17,813	42,887	520	11,536	315,338
1983	29,490	84,996	39,384	109,732	14,777	308	5,602	284,289
1984	45,863	86,165	59,772	44,761	35,815	1,032	2,833	276,241

TABLE 10 - PRODUCTION AND UTILIZATION OF SALMON BY SPECIES 1983 - 1984

	UNIT	1983 QUANTITY	1983 VALUE[1] ($'000)	1983 AVERAGE[2] PRICE ($)	1984 QUANTITY	1984 VALUE[1] ($'000)	1984 AVERAGE[2] PRICE ($)
CHINOOK							
Canned	48-lb. cases	4,306	444	103.02	2,709	281	103.57
Fresh Round	.000 kg	1	2	4.20	17	135	8.15
Fresh Dressed	.000 kg	853	5,365	6.29	653	5,247	8.03
Frozen Round	.000 kg	*	*	-	*	*	-
Frozen Dressed	.000 kg	2,737	20,549	7.51	3,985	37,121	9.31
Frozen Steaks	.000 kg	2	15	6.60	6	81	12.79
Mild Cured	.000 kg	*	*	-	*	*	-
Smoked	.000 kg	239	2,392	10.02	225	2,750	12.21
Roe	.000 kg	-	-	-	15	79	5.33
Other	.000 kg	-	723	-	-	169	-
TOTAL	.000 kg	-	29,490	-	-	45,863	-
SOCKEYE							
Canned	48-lb. cases	371,483	66,293	178.46	230,798	45,898	198.87
Fresh Round	.000 kg	32	112	3.51	26	114	4.39
Fresh Dressed	.000 kg	602	2,857	4.75	705	4,284	6.08
Frozen Round	.000 kg	*	*	-	-	-	-
Frozen Dressed	.000 kg	2,133	11,178	5.24	3,574	25,690	7.19
Frozen Steaks	.000 kg	23	193	8.45	53	563	10.58
Mild Cured	.000 kg	75	491	6.58	405	3,448	8.52
Smoked	.000 kg	262	3,864	14.76	339	5,630	16.59
Roe	.000 kg	-	-	-	110	501	4.57
Other	.000 kg	-	8	-	-	37	-
TOTAL	.000 kg	-	84,996	-	-	86,165	-
COHO							
Canned	48-lb. cases	60,560	8,273	136.61	25,832	3,791	146.77
Fresh Round	.000 kg	1	2	3.86	-[3]	1	2.78
Fresh Dressed	.000 kg	557	2,501	4.49	578	3,605	6.24
Frozen Round	.000 kg	-	-	-	*	*	-
Frozen Dressed	.000 kg	5,722	28,105	4.91	7,219	51,403	7.12
Frozen Steaks	.000 kg	62	338	5.49	24	197	8.25
Mild Cured	.000 kg	*	*	-	36	350	9.78
Smoked	.000 kg	7	69	9.63	24	287	12.05
Roe	.000 kg	-	-	-	21	138	6.45
Other	.000 kg	-	96	-	-	-	-
TOTAL	.000 kg	-	39,364	-	-	59,772	-

TABLE 10 - CONT'D

UNIT	1983 QUANTITY	1983 VALUE[1] ($'000)	1983 AVERAGE[2] PRICE ($)	1984 QUANTITY	1984 VALUE[1] ($'000)	1984 AVERAGE[2] PRICE ($)
PINK						
Canned.....48-1b. cases	996,727	96,723	97.04	338,474	38,028	112.35
Fresh Round.....000 kg	216	173	0.80	*	*	-
Fresh Dressed....000 kg	685	1,578	2.30	166	398	2.40
Frozen Round.....000 kg	*	*	-	*	*	-
Frozen Dressed...000 kg	4,277	11,056	2.58	1,746	5,589	3.20
Frozen Steaks....000 kg	*	*	-	15	60	3.94
Mild Cured.....000 kg	-	-	-	*	*	-
Smoked.....000 kg	22	146	6.61	11	99	9.32
Roe.....000 kg	-	-	-	175	587	3.36
Other.....000 kg	-	56	-	-	-	-
TOTAL.....000 kg	-	109,732	-	-	44,761	-
CHUM						
Canned.....48-1b. cases	47,120	4,421	93.83	68,579	6,434	93.82
Fresh Round.....000 kg	14	24	1.67	288	520	1.80
Fresh Dressed....000 kg	260	795	3.06	255	1,010	3.96
Frozen Dressed...000 kg	2,217	8,576	3.87	5,523	23,734	4.30
Frozen Steaks....000 kg	94	544	5.78	64	371	5.82
Mild Cured.....000 kg	-	-	-	*	*	-
Smoked.....000 kg	45	408	9.09	82	629	7.72
Roe.....000 kg	-	-	-	484	3,117	6.44
Other.....000 kg	-	9	-	*	*	-
TOTAL.....000 kg	-	14,777	-	-	35,815	-
STEELHEAD						
Canned.....48-1b. cases	331	37	112.52	276	25	89.46
Fresh Round.....000 kg	-[3]	-[3]	-	-[3]	1	4.28
Fresh Dressed....000 kg	1	5	4.62	19	112	5.87
Frozen Round.....000 kg	-	-	-	*	*	-
Frozen Dressed...000 kg	53	265	5.00	149	868	5.81
Frozen Steaks....000 kg	-	-	-	*	*	-
Smoked.....000 kg	*	*	-	2	26	12.45
Other.....000 kg	-	1	-	-	-	-
TOTAL.....000 kg	-	308	-	-	1,032	-

TABLE 10 - CONT'D

	UNIT	1983 QUANTITY	1983 VALUE[1] ($'000)	1983 AVERAGE[2] PRICE ($)	1984 QUANTITY	1984 VALUE[1] ($'000)	1984 AVERAGE[2] PRICE ($)
ALL SALMON[4]							
Canned	48-lb. cases	1,480,527	176,191	119.01	666,668	94,457	141.69
Fresh Round	000 kg	264	313	1.19	335	776	2.32
Fresh Dressed	000 kg	2,958	13,101	4.43	2,376	14,656	6.17
Frozen Round	000 kg	*	*	-	-[3]	2	4.52
Frozen Dressed	000 kg	17,139	79,729	4.65	22,196	144,405	6.51
Frozen Steaks	000 kg	199	1,144	5.75	162	1,272	7.85
Mild Cured	000 kg	153	1,284	8.42	497	4,602	9.26
Smoked	000 kg	575	6,880	11.96	683	9,421	13.79
Salmon Roe[5]	000 kg	861	3,186	3.70	940	5,065	5.39
Other Specialty Products	000 kg	-	38	-	-	211	-
Other[6]	000 kg	-	2,423	-	-	1,374	-
TOTAL	000 kg	-	284,289	-	-	276,241	-

1 Note: Any discrepancies in VALUE($'000) figures are due to rounding.
2 Average Price:
Canned Salmon $'s per 48-lb. case.
Other Salmon Products $'s per kg.
Value divided by quantity may not equal average price due to rounding.
3 Less than 500 kg. and $500.
4 Note: The total value of "ALL SALMON" includes such products as offal, oil, meal, etc. which could not be allocated to particular species. Also included are the value of some items where less than three companies are reported. In a number of cases, however, confidential data is included if the total processed product represented by the confidential data is accounted for by three or more companies.
5 Includes roe not broken down by species.
6 Includes offal, offal meal, oil, heads, bait, milts, other products and the value of items where less than three companies reported.

* Confidential. Less than three companies reporting.

TABLE 11 - B.C. CANNED SALMON PRODUCTION BY REGION - 1984[1]

(48 lb. Cases)

AREA	CHINOOK	SOCKEYE	COHO	PINK	CHUM	STEELHEAD	TOTAL
North Coast	723	50,183	10,805	181,561	37,280	58	280,610
Fraser Area & South Coast	1,986	180,615	15,027	156,913	31,299	218	386,058
TOTAL	2,709	230,798	25,832	338,474	68,579	276	666,668

[1] Does not include Alaskan salmon custom canned in B.C. for U.S. companies.

TABLE 12 - COMPARISON OF THE 1984 SALMON PACK TO THE 12 YEAR AVERAGE PACK

1973 - 1984

	1973 - 1984 Average (48 lb. cases)[1]	1984 (48 lb. cases)	Difference (%)
Sockeye	442,523	230,798	-48
Coho	71,797	25,832	-64
Pink	505,622	338,474	-33
Chum	120,641	68,579	-43
Other	12,105	2,985	-75
TOTAL	1,152,688	666,668	-42

[1] Previously reported as a 10 year average.

TABLE 13 - BRITISH COLUMBIA CANNED SALMON PRODUCTION : QUANTITY AND VALUE BY SPECIES - 1984[1]

SPECIES	QUANTITY (48 lb. Cases)	WHOLESALE VALUE ($'000)	AVG. PRICE $/48 lb. Case[2]	NET SELLING VALUE ($'000)	AVG. PRICE $/48 lb. Case[2]
Red Chinook	976	112	114.08	108	110.83
Pink Chinook	1,339	137	102.24	124	92.43
White Chinook	394	32	82.07	30	75.08
Sockeye	230,798	45,898	198.87	41,229	178.64
Coho	25,832	3,791	146.77	3,417	132.27
Pink	338,474	38,028	112.35	34,412	101.67
Chum	68,579	6,434	93.82	5,750	83.85
Steelhead	276	25	89.46	24	86.27
TOTAL	666,668	94,457	-	85,094	-

1 Fish processors were requested to report both a final wholesale value and a net selling value for their canned salmon production. The final wholesale value represents gross sales based upon company invoices. The net selling value refers to the final selling price after promotions, case allowances, cash discounts and other trade discounts which may apply.

2 Value divided by quantity may not equal average price due to rounding.

TABLE 14 - BRITISH COLUMBIA CANNED SALMON PACK BY YEAR 1973 - 1984

(48 lb. Cases)

	CHINOOK	SOCKEYE	COHO	PINK	CHUM	STEELHEAD	TOTAL
1973	11,258	642,601	116,197	355,695	423,364	999	1,550,114
1974	20,279	709,180	160,051	307,192	230,634	1,546	1,428,882
1975	13,952	164,055	61,081	240,592	37,093	597	517,370
1976	11,173	376,047	69,850	483,054	85,540	166	1,025,830
1977	29,569	494,172	74,180	686,911	61,309	826	1,346,967
1978	8,916	485,748	53,960	456,058	121,487	707	1,126,876
1979	12,953	295,858	43,061	569,337	33,689	327	955,225
1980	7,599	368,844	88,217	472,462	176,884	420	1,114,426
1981	7,839	622,490	61,333	1,020,545	87,866	472	1,800,545
1982	7,661	548,998	47,246	140,415	74,127	384	818,831
1983	4,306	371,483	60,560	996,727	47,120	331	1,480,527
1984	2,709	230,798	25,832	338,474	68,579	276	666,668

TABLE 15 - AVERAGE WHOLESALE PRICE OF BRITISH COLUMBIA CANNED SALMON BY YEAR 1973 - 1984

($/48 lb. Case)

YEAR	CHINOOK	SOCKEYE	COHO	PINK	CHUM	STEELHEAD
1973	68.97	99.41	82.24	70.90	65.10	70.81
1974	63.79	90.26	80.99	70.70	61.69	65.36
1975	60.62	107.05	87.44	70.89	65.04	61.12
1976	63.66	115.00	95.80	73.18	66.89	65.01
1977	87.86	113.61	104.00	75.82	71.49	81.11
1978	73.01	128.69	105.43	82.89	75.81	70.19
1979	82.25	159.06	132.16	103.53	93.12	93.49
1980	93.25	168.87	134.60	114.41	100.98	98.73
1981	105.01	175.17	145.55	107.87	96.34	104.22
1982	114.61	177.12	145.87	115.96	78.11	111.98
1983	103.02	178.46	136.61	97.04	93.83	112.52
1984	103.57	198.87	146.77	112.35	93.82	89.46

TABLE 16 - QUANTITY AND WHOLESALE VALUE OF BRITISH COLUMBIA DRESSED SALMON PRODUCTION BY SPECIES - 1984[1]

	FRESH DRESSED						FROZEN DRESSED						TOTAL		
	Head-On			Head-Off			Head-On			Head-Off			Fresh/Frozen Dressed		
SPECIES	000 kg	$000	$/kg	000 kg	$000	$/kg	000 kg	$000	$/kg	000 kg	$000	$/kg	000 kg	$000	$/kg
Red Chinook	344	2,775	8.07	236	2,114	8.95	126	1,057	8.36	3,462	33,442	9.66	4,168	39,388	9.45
Pink Chinook	4	19	4.44	*	*	-	*	*	-	72	498	6.93	76	517	6.80
White Chinook	42	211	5.01	27	128	4.81	11	32	2.81	313	2,083	6.66	393	2,454	6.24
Sockeye	326	2,027	6.22	379	2,257	5.95	1,304	8,991	6.90	2,270	16,699	7.36	4,279	29,974	7.00
Coho	257	1,433	5.58	321	2,173	6.76	670	4,139	6.18	6,549	47,264	7.22	7,797	55,009	7.06
Pink	94	213	2.26	72	185	2.57	231	696	3.02	1,515	4,892	3.23	1,912	5,986	3.13
Silver Brite Chum	16	59	3.69	22	112	5.01	38	155	4.13	1,881	9,780	5.20	1,957	10,106	5.16
Semi Brite Chum	28	123	4.41	170	659	3.89	43	144	3.36	2,018	9,123	4.52	2,259	10,049	4.45
Dark Chum	*	*	-	*	*	-	*	*	-	1,500	4,446	2.96	1,500	4,446	2.96
Steelhead	11	63	5.76	8	49	6.02	100	609	6.09	49	259	5.24	168	980	5.83
TOTAL[2]	1,122	6,923	-	1,235	7,677	-	2,523	15,823	-	19,629	128,486	-	24,509	158,909	-

1 Includes farm raised salmon.
2 Does not include products that were reported by less than three companies.
* Confidential. Fewer than three companies reporting.

Note: Value divided by quantity may not equal average price due to rounding.

TABLE 17 - FROZEN DRESSED SALMON PRODUCTION IN B.C. BY YEAR 1973-1984

(Tonnes)

	CHINOOK	SOCKEYE	COHO	PINK	CHUM	STEELHEAD
1973	4,140	1,352	4,943	721	10,877	16
1974	3,988	301	3,262	218	2,870	-
1975	3,694	225	3,306	1,224	2,526	17
1976	4,008	469	4,569	529	5,445	33
1977	4,318	1,786	5,153	2,469	2,824	31
1978	4,478	5,224	4,974	406	8,370	41
1979	4,247	4,650	6,827	4,884	3,268	36
1980	3,745	817	4,388	1,299	8,572	33
1981	3,738	2,962	4,196	5,686	2,824	56
1982	4,013	9,757	5,425	413	8,643	86
1983	2,737	2,133	5,722	4,277	2,217	53
1984	3,985	3,574	7,219	1,746	5,523	149

TABLE 18 - AVERAGE WHOLESALE PRICE OF FROZEN DRESSED SALMON BY YEAR 1973-1984[1]

($/kg)

	CHINOOK	SOCKEYE	COHO	PINK	CHUM	STEELHEAD
1973	3.40	3.04	3.15	2.03	2.09	2.99
1974	3.16	2.79	2.77	1.99	2.14	-
1975	3.48	3.48	3.35	2.60	2.91	3.53
1976	4.96	3.64	4.20	2.71	3.38	3.22
1977	5.97	4.41	4.82	2.62	3.67	3.58
1978	6.06	6.50	6.48	3.51	4.53	4.74
1979	7.42	6.06	7.05	3.44	5.14	5.64
1980	7.61	5.71	6.15	3.44	5.07	5.71
1981	8.30	6.22	6.41	3.15	4.43	5.76
1982	8.33	5.36	6.17	3.15	3.97	4.89
1983	7.51	5.24	4.91	2.58	3.87	5.00
1984	9.31	7.19	7.12	3.20	4.30	5.81

[1] Includes both head-on and head-off products. See Table 16 for 1984 average prices of head-on and head-off products.

TABLE 19 - FRESH DRESSED SALMON PRODUCTION IN B.C. BY YEAR 1973-1984

(Tonnes)

	CHINOOK	SOCKEYE	COHO	PINK	CHUM	STEELHEAD
1973	673	105	662	205	749	1
1974	806	70	674	30	565	-
1975	985	138	829	305	217	4
1976	1,212	136	896	87	371	6
1977	752	187	444	244	404	6
1978	535	486	307	35	239	1
1979	530	130	370	363	31	1
1980	865	113	744	44	90	3
1981	485	128	357	144	71	2
1982	604	499	360	43	483	3
1983	853	602	557	685	260	1
1984	653	705	578	166	255	19

TABLE 20 - AVERAGE WHOLESALE PRICE OF FRESH DRESSED SALMON BY YEAR 1973-1984[1]

($/kg)

	CHINOOK	SOCKEYE	COHO	PINK	CHUM	STEELHEAD
1973	3.35	3.24	3.06	1.85	2.18	3.68
1974	2.90	3.12	2.70	1.66	2.00	-
1975	3.42	3.06	3.25	2.30	3.21	2.99
1976	4.36	3.09	3.98	2.57	3.47	3.60
1977	4.39	3.03	3.73	2.13	1.84	4.05
1978	5.31	5.86	5.23	2.34	4.54	3.73
1979	6.50	5.72	6.17	1.81	5.07	4.41
1980	5.43	4.62	5.14	2.93	3.35	4.23
1981	6.46	5.76	5.68	2.62	3.41	4.49
1982	6.92	4.99	4.78	2.73	3.62	3.97
1983	6.29	4.75	4.49	2.30	3.06	4.62
1984	8.03	6.08	6.24	2.40	3.96	5.87

[1] Includes both head-on and head-off products. See Table 16 for 1984 average prices of head-on and head-off products.

B. HERRING

Total herring landings decreased by 15 percent in 1984, from 40,047 tonnes to 33,875 tonnes. The total landed value decreased by 17 percent for the same time period, from $53.4 million to $44.4 million.

Roe herring landings dropped from 39,155 tonnes in 1983 to 32,795 tonnes in 1984, a decrease of 16 percent. The landed value of roe herring decreased by 17 percent, from $52.9 million to $43.6 million. Although small compared to roe, food and bait herring landings increased in 1984, from 892 tonnes to 1,080 tonnes. The landed value also rose, from $491 thousand to $720 thousand, an increase of 47 percent.

The total wholesale value of herring production in 1984 was $99 million, a decrease of 11 percent compared to $111.1 million in 1983. The wholesale value of herring roe production was $96.1 million, down 11 percent compared to 1983. The average price, however, increased slightly in 1984, from $18.27/kg to $18.71/kg. Roe herring production, including herring meal, oil and spawn-on-kelp, accounted for 97 percent of the total wholesale value of herring production. The wholesale value of herring frozen for food was $125 thousand while bait was valued at $1.9 million. Frozen food and bait herring accounted for only 2 percent of the total wholesale value of herring in 1984, as was the case in 1983. The value of other herring products, including kippers, kippered snacks, pickled and fillets, totaled $853 thousand or 1 percent of the total.

TABLE 21 - ROE HERRING LANDINGS AND WHOLESALE VALUE OF ROE HERRING PRODUCTS

1973 - 1984

	LANDINGS[1] (t)	LANDED VALUE[1] ($'000)	WHOLESALE VALUE ROE ($'000)	SPAWN ON KELP ($'000)	FROZEN FOR ROE ($'000)	TOTAL WHOLESALE VALUE[4] ($'000)
1973	50,960	10,523	24,262	-	4,294	30,147
1974	43,505	11,876	24,699	-	1,802	28,858
1975	53,293	13,812	24,081[2]	100	5,836	31,405
1976	78,832	23,333	52,196[2]	597	6,444	61,848
1977	73,485	29,542	73,292	1,407	1,405	79,799
1978	63,408	52,933	130,743	2,521	3,979	141,508
1979	37,480	126,866	182,304	5,011	5,163	195,387
1980	16,414	26,357	33,074	2,448	1,058	38,297
1981	29,486	35,928	69,946	3,308	-[3]	74,198
1982	27,658	35,479	76,963	3,900	-	83,057
1983	39,155	52,902	98,094	6,455	-	107,946
1984	32,795	43,645	88,090	4,508	-[3]	96,058

1 Includes spawn on kelp (1975 - 1984).
2 Includes spawn off nets.
3 Confidential - less than three companies reporting. Included in the total wholesale value,
4 Includes roe herring by-products.

TABLE 22 - FOOD AND BAIT HERRING LANDINGS AND WHOLESALE VALUE OF FOOD AND BAIT HERRING PRODUCTS 1973 - 1984

	LANDINGS (t)	LANDED VALUE ($'000)	WHOLESALE VALUE FROZEN FOR FOOD ($'000)	BAIT ($'000)	TOTAL WHOLESALE VALUE[1] ($'000)
1973	4,665	428	2,627	362	4,494
1974	1,165	167	236	293	998
1975	6,361	772	674	611	3,528
1976	2,329	542	2,207	172	3,698
1977	23,805	4,156	8,353	449	10,265
1978	18,145	4,194	9,484	1,420	13,523
1979	6,181	2,131	3,204	2,133	6,546
1980	8,909	2,891	7,207	1,597	9,919
1981	8,663	2,177	5,516	1,480	8,253
1982	1,117	450	1,010	1,463	3,391
1983	892	491	418	1,838	3,104
1984	1,080	720	125	1,920	2,898

1 Includes other food and bait herring products.

C. HALIBUT

The halibut catch in Canadian waters that was delivered to British Columbia ports increased by 67 percent in 1984, from 1,865 tonnes in 1983 to 3,110 tonnes. The increase in landed value was not as dramatic, rising from $6.4 million to $7.2 million, an increase of 13 percent. In addition to these landings, 923 tonnes of halibut valued at $2.2 million were caught in Canadian waters and delivered by Canadian fishermen to U.S. ports. This compares to 533 tonnes, worth approximately $1.9 million, delivered to U.S. ports in the preceding year. The total catch by British Columbia fishermen was 4,033 tonnes, valued at $9.4 million. The overall landed quantity increased by 68 percent, while the total landed value only increased by 13 percent. The larger catch reflects the strengthening of Pacific halibut stocks, which led the International Pacific Halibut Commission to increase the catch limit in 1984.

The total wholesale value of halibut processed in British Columbia plants was $11.6 million in 1984, an increase of 26 percent compared to 1983. Frozen dressed halibut was the major product marketed with a wholesale value of $7.8 million, accounting for 67 percent of the total wholesale value. Fresh dressed halibut contributed 29 percent, with a total wholesale value of $3.3 million. Halibut fillets, steaks and "other" products were also processed. Including halibut landed by B.C. fishermen and delivered to U.S. ports, the total 1984 wholesale value was up by 24 percent from $11.2 million in 1983 to $13.8 million.

TABLE 23 - LANDINGS AND WHOLESALE VALUE OF HALIBUT IN B.C.[1]

1973 - 1984

	TOTAL LANDINGS (t)	LANDED VALUE ($'000)	AVG.LANDED PRICE ($)/KG	WHOLESALE VALUE ($'000)
1973	4,491	7,348	1.64	9,613[2]
1974	2,948	4,746	1.61	6,302[2]
1975	3,538	7,055	1.99	9,803[2]
1976	4,318	11,974	2.77	15,347[2]
1977	2,818	8,278	2.94	9,756
1978	2,294	10,001	4.36	12,827
1979	2,410	14,004	5.81	17,692
1980	2,668	7,341	2.75	9,962
1981	2,233	6,592	2.95	10,548
1982	1,690	4,715	2.79	5,488
1983	1,865	6,381	3.42	9,268
1984	3,110	7,222	2.32	11,640

1 Not including Canadian landings of halibut in Alaska and Washington.
2 Includes the value of specialty items such as fish and chips, portions, fish sticks, etc.

D. GROUNDFISH

Domestic groundfish landings continued to increase in 1984, from 36,046 tonnes in 1983 to 37,973 tonnes, a rise of 5 percent. The landed value increased by 13 percent from $19.0 million to $21.4 million in 1984. The landed values associated with the majority of groundfish species experienced increases, with rockfish (including Pacific ocean perch), sablefish and sole registering the largest. Greycod, dogfish and pollock were the only species to show decreases.

The total wholesale value of groundfish production increased by 12 percent over the 1983 value of $42.2 million, to $47.1 million in 1984. Rockfish continued to display a dramatic increase in wholesale value, rising from $11.8 million in 1983 to $14.7 million, an increase of 25 percent. Rockfish now accounts for over 30 percent of the total groundfish wholesale value. The wholesale value of sablefish also continued its upward trend, increasing from $7.4 million in 1983 to $8.8 million. The wholesale values of sole, ling cod, flounder, turbot, hake and dogfish also increased, while the values associated with grey cod, pollock and skate experienced decreases.

TABLE 24 - COMPARATIVE WHOLESALE VALUES OF MAJOR GROUNDFISH SPECIES

1982 - 1984

SPECIES	1982 ($'000)	1983 ($'000)	1984 ($'000)
Sole	4,723	4,093	4,913
Rockfish[1]	5,399	11,828	14,663
Grey Cod	7,603	7,452	7,038
Ling Cod	3,685	3,814	3,931
Sablefish	7,081	7,447	8,829
Flounder	108	58	74
Skate	122	163	120
Pollock	2,084	2,372	1,485
Turbot	1,182	1,124	1,246
Hake[2]	555	400	649
Dogfish	1,392	836	858
Other Groundfish[3]	2,997	2,572	3,247
TOTAL	36,931	42,159	47,053

1 Includes Pacific ocean perch, red snapper and other rockfish.
2 Does not include over-the-side sales to foreign vessels in co-operative fishing arrangements.
3 Includes other groundfish, portions, sticks and specialties, and groundfish meal, oil and solubles.

Domestic hake landings do not include cooperative fishing arrangements with foreign nations. In 1984, 28,906 tonnes worth approximately $4.7 million were purchased by Poland and the Soviet Union from Canadian fishermen. This represents an increase of 5 percent in landings compared to the previous year. Since the initiation of over-the-side hake sales to foreign nations in 1978, the catch has increased from 1,814 to 28,906 tonnes, while the landed value has risen from $240 thousand to $4.7 million.

TABLE 25 - OVER-THE-SIDE SALES OF PACIFIC HAKE TO FOREIGN NATIONS BY YEAR[1]

1978 - 1984

	POLAND		SOVIET UNION		GREECE		TOTAL	
	Tonnes	$'000	Tonnes	$'000	Tonnes	$'000	Tonnes	$'000
1978	1,814	240	-	-	-	-	1,814	240
1979	3,102	445	1,131	162	-	-	4,233	607
1980	4,560	739	4,300	614	3,355	609	12,215	1,962
1981	4,[illegible]	826	7,232	1,190	4,929	894	17,159	2,910
1982	10,279	1,714	9,397	1,550	-	-	19,676	3,264
1983	13,465	2,270	14,192	2,363	-	-	27,657	4,633
1984	9,214	1,609	19,692	3,044	-	-	28,906	4,653

1 Does not include domestic hake catch or national allocations to the Soviet Union, Poland and Japan.

E. SHELLFISH

Shellfish landings increased from 10,258 tonnes in 1983 to 13,046 tonnes in 1984. This combined increase of 27 percent reflects the overall trend of increased landings for most shellfish species. The only shellfish species group which showed a decrease in reported landings in 1984 was octopus, all others recorded at least minor increases. The total landed value was also up significantly, from $12.8 million to $18.0 million, an increase of 41 percent. The landed values for all individual species followed the same trend as their landings, i.e. all showed increases except octopus.

The total wholesale value of shellfish production increased by 45 percent from $17.9 million in 1983 to $26.0 million in 1984. Clams, including geoducks, accounted for 39 percent, crab 22 percent, shrimp and prawns 19 percent and oysters 10 percent. Abalone, mussels, octopus, scallops, sea cucumbers, sea urchins, squid and other shellfish accounted for the remaining 10 percent. The recorded wholesale value of abalone and mussel products were the only ones to show a decrease from the 1983 levels.

TABLE 26 - COMPARATIVE WHOLESALE VALUES OF MAJOR SHELLFISH SPECIES

1982 - 1984

SPECIES	1982 ($'000)	1983 ($'000)	1984 ($'000)
Abalone	706	590	560
Clams[1]	2,343	2,686	5,010
Geoducks	5,162	4,202	5,175
Crabs	3,285	3,941	5,639
Octopus	51	97	110
Oysters	1,229	1,599	2,483
Shrimp	1,452	1,308	2,173
Prawns	1,929	2,270	2,886
Squid	20	13	25
Mussels	3	4	3
Scallops	-	23	114
Sea Urchins	*	935	1,774
Other	556[2]	183[2]	33[3]
TOTAL	16,736	17,851	25,985

1 Includes horse clams.
2 Other shellfish n.e.s.
3 Includes sea cucumbers and other shellfish n.e.s.

* Confidential. Less than three companies reporting. Included in "other".

F. MARICULTURE PRODUCTION

1. OYSTERS

The Provincial production of Pacific oysters (Crassostrea gigas) continued to increase in 1984 to 2,897 tonnes, an 18 percent increase over the 2,453 tonnes produced in 1983. Higher prices for both shucked and half-shell product increased the 1983 landed value of $1.6 million by 36 percent to $2.1 million.

Half-shell production increased dramatically for the fourth consecutive year pushing the total to 172,000 dozen, an increase of 30 percent from the 132,000 dozen produced in 1983. The demand for smaller sized half-shell product has allowed oyster farmers to sell their product in as little as 18 months, thus increasing cash flow and resulting in increased turnover of product.

TABLE 27 - BRITISH COLUMBIA OYSTER PRODUCTION - 1973 - 1984

	Production[1] (Tonnes)	Landed Value ($'000)
1973	4,787	875
1974	3,930	880
1975	3,246	883
1976	3,245	887
1977	2,998	981
1978	2,793	1,021
1979	2,231	893
1980	1,922	1,134
1981[2]	1,415	1,030
1982[2]	1,579	981
1983[2]	2,453	1,554
1984[2]	2,897	2,109

1 1973-1980 production data was provided by the Department of Fisheries Oceans and 1981 - 1984 data was provided by the Shellfish Management Development Unit, Marine Resources Section.

2 Includes a small amount of wild oyster harvest from picking permits.

2. SALMON

The salmonid farming industry in British Columbia is still very much in a developmental stage. Although coho and chinook are the favoured species of the indigenous Pacific salmon for farming, at least two other species are now being experimented with. Rainbow trout are currently being raised in salt water pens and imported Atlantic salmon eggs are also being reared for future grow out in net pens. Interest in this industry has continued to grow tremendously during the past year to a point where there are now approximately 30 active operations and many more in the application process.

In 1984 ten companies reported production totalling 107 tonnes worth $702 thousand. This represents a 16 percent decrease in quantity and a 1 percent decline in value from the 1983 production of 128 tonnes worth $708 thousand. This downturn was partially due to the fact that a number of the major operators were holding over larger fish as broodstock to potentially provide an interim egg supply to the industry for the next few years. This may well be needed as the increased number of salmon farms has put a heavy demand upon Federal hatcheries and private smolt producers for surplus eggs and smolts.

Although the salmon farming industry was originally oriented towards the production of "pan-size" (250-300 gm) salmon for restaurant and supermarket sales, the demand continues to grow for large (1 kg or greater) fresh farmed salmon. Production is expected to grow significantly in the future as more new farms begin to market their fish.

TABLE 28 - BRITISH COLUMBIA SALMON MARICULTURE PRODUCTION - 1979 - 1984[1]

	COHO		CHINOOK		TOTAL PRODUCTION	
	Quantity (Tonnes)	Value ($'000)	Quantity (Tonnes)	Value ($'000)	Quantity (Tonnes)	Value ($'000)
1979	41	157	-	-	41	157
1980	157	898	-	-	157	898
1981	176	985	-	-	176	985
1982	230	908	43	228	273	1,136
1983	73	350	55	358	128	708
1984	64[2]	306	43	396	107	702

1 Source: British Columbia Annual Fisheries Production Statistics and British Columbia Commercial Fish Farm Statistics.

2 Includes an unspecified amount of marine pen-reared rainbow trout.

G) MAJOR SPECIES BY PRODUCT TYPE

TABLE 29 - LANDINGS AND PRODUCTS PROCESSED IN B.C. - 1984[1]

SPECIES	QUANTITY (Tonnes)	VALUE ($'000)	AVG. PRICE[2] ($/KG)
ABALONE			
Landed	58	530	9.15
Processed:			
In Shell, Fresh or Frozen	54	560	10.40
Abalone Products[3]	-	*	-
Total Wholesale Value	-	560	-
CLAMS			
Butter Clams Landed[4]	-	-	-
Processed:			
Meat, Fresh or Frozen	24	146	6.06
Butter Clam Products[5]	-	15	-
Total Wholesale Value	-	161	-
Geoduck Clams Landed	3,483	2,937	0.84
Processed:			
Live	372	634	1.70
Neck Meat	645	4,060	6.30
Body Meat	262	474	1.81
Other[6]	-	7	-
Total Wholesale Value	-	5,175	-
Littleneck Clams Landed[4]	-	-	-
Processed:			
Live	2,311	4,378	1.89
Total Wholesale Value	-	4,378	-
Other Clams Landed[7]	2,622	2,763	1.05
Processed:			
Fresh or Frozen	93	189	2.04
Other[8]	-	282	-
Total Wholesale Value	-	471	-
CRABS			
Landed	1,155	4,558	3.95
Processed:			
In shell, Fresh	689	3,521	5.11
In shell, Frozen	46	279	6.03
Meat, Fresh	52	1,273	24.70
Meat, Frozen	5	137	26.77
Cooked	76	399	5.22
Other[9]	-	30	-
Total Wholesale Value	-	5,639	-

TABLE 29 - CONT'D

SPECIES	QUANTITY (Tonnes)	VALUE ($'000)	AVG. PRICE[2] ($/KG)
DOGFISH			
Landed	2,441	551	0.23
Processed:			
Fresh	1,708	402	0.24
Flaps	49	123	2.48
Backs	229	266	1.16
Fins & Tails	16	45	2.76
Other[10]	-	22	-
Total Wholesale Value	-	858	-
EULACHONS			
Landed	12	11	0.92
Processed:			
Fresh	11	17	1.50
Other[11]	-	7	-
Total Wholesale Value	-	24	-
FLOUNDER			
Landed	169	53	0.32
Processed:			
Fresh or Frozen	2	3	1.41
Fillets, Fresh	10	36	3.68
Fillets, Frozen	9	35	3.97
Total Wholesale Value	-	74	-
GREY COD			
Landed[12]	3,622	1,765	0.48
Processed:			
Fresh	55	49	0.88
Frozen	70	93	1.32
Fillets, Fresh	690	2,354	3.41
Fillets, Frozen	146	580	3.97
Other[13]	-	3,962	-
Total Wholesale Value	-	7,038	-
HAKE			
Landed	4,690	560	0.12
Processed:			
Fresh	4,409	510	0.12
Other[14]	-	139	-
Total Wholesale Value	-	649	-
HALIBUT			
Landed (B.C. Ports)	3,110	7,222	2.32
Processed:			
Fresh	987	3,329	3.37
Frozen	2,135	7,800	3.65
Fillets, Frozen	7	62	9.05
Steaks, Frozen	65	426	6.54
Other[15]	-	23	-
Total Wholesale Value	-	11,640	-

TABLE 29 - CONT'D

SPECIES	QUANTITY (Tonnes)	VALUE ($'000)	AVG. PRICE[2] ($/KG)
HERRING			
Landed[16]	33,875	44,365	1.31
Processed:			
Bait; Fresh or Frozen	1,209	1,920	1.59
Frozen for Food	155	125	0.81
Body and Offal Oil	361	310	0.86
Body and Offal Meal	3,939	2,977	0.76
Roe[17]	4,708	88,090	18.71
Spawn on Kelp	172	4,508	26.18
Other[18]	-	1,026	-
Total Wholesale Value	-	98,956	-
LING COD			
Landed	3,707	2,183	0.59
Processed:			
Fresh	293	489	1.67
Frozen	243	407	1.68
Fillets, Fresh	416	1,349	3.24
Fillets, Frozen	415	1,374	3.31
Other[19]	-	312	-
Total Wholesale Value	-	3,931	-
MUSSELS			
Landed	1	1	1.15
Processed:			
In Shell	1	3	3.24
Total Wholesale Value	-	3	-
OCTOPUS			
Landed	25	56	2.24
Processed:			
Fresh	4	12	3.36
Frozen	14	48	3.48
Bait	22	50	2.27
Total Wholesale Value	-	110	-
OYSTERS			
Landed	2,897	2,109	0.73
Processed:			
In Shell	87	100	1.15
Half Shell (dozens)	172,256	516	3.00
Meat, Fresh, 8 oz.	60	449	7.44
Meat, Fresh, 16 oz.	6	42	7.37
Meat, Fresh, 32 oz.	196	1,290	6.59
Meat, Fresh, 128 oz.	1	11	11.67
Other[20]	-	75	-
Total Wholesale Value	-	2,483	-

TABLE 29 - CONT'D

SPECIES	QUANTITY (Tonnes)	VALUE ($'000)	AVG. PRICE[2] ($/KG)
PACIFIC OCEAN PERCH			
Landed	7,043	2,975	0.42
Processed:			
Fresh	1,310	678	0.52
Frozen	510	790	1.55
Fillets, Fresh	1,160	3,963	3.42
Fillets, Frozen	644	2,362	3.67
Other[21]	-	245	-
Total Wholesale Value	-	8,038	-
POLLOCK			
Landed	596	136	0.23
Processed:			
Fresh	105	37	0.35
Fillets, Fresh	16	52	3.16
Fillets, Frozen	154	481	3.12
Other[22]	-	915	-
Total Wholesale Value	-	1,485	-
PRAWNS			
Landed[23]	505	3,262	6.46
Processed:			
Fresh	208	1,396	6.70
Frozen	129	1,057	8.20
Tails, Frozen, Cooked	24	372	15.36
Whole Frozen Cooked	7	61	9.14
Total Wholesale Value	-	2,886	-
RED SNAPPER			
Landed[24]	-	-	-
Processed:			
Fresh	182	295	1.62
Frozen	78	155	1.98
Fillets, Fresh	752	2,460	3.27
Fillets, Frozen	154	515	3.34
Other[25]	-	2	-
Total Wholesale Value	-	3,427	-
ROCKFISH			
Landed	7,489	3,978	0.53
Processed:			
Fresh	956	1,098	1.15
Frozen	90	144	1.60
Fillets, Fresh	467	1,397	2.99
Fillets, Frozen	170	559	3.29
Total Wholesale Value	-	3,198	-

TABLE 29 - CONT'D

SPECIES	QUANTITY (Tonnes)	VALUE ($'000)	AVG. PRICE[2] ($/KG)
SABLEFISH			
Landed[12]	3,852	6,998	1.82
Processed:			
Fresh	21	43	2.01
Frozen	177	523	2.96
Frozen Dressed, Japanese Cut	2,127	7,313	3.44
Frozen Dressed, Western Cut	136	418	3.06
Smoked, Dressed	53	265	5.04
Smoked Fillets	57	267	4.66
Total Wholesale Value	-	8,829	-
SALMON			
Landed[26]	47,865	144,814	3.03
Processed:			
Fresh Round	335	776	2.32
Fresh Dressed	2,376	14,656	6.17
Frozen Dressed	22,196	144,405	6.51
Frozen Fillets & Steaks	162	1,272	7.85
Mild Cured	497	4,602	9.26
Smoked	683	9,421	13.79
Canned[27] (48 lb. cases)	666,668	94,457	141.69
Roe[28]	940	5,065	5.39
Other Specialty Products	-	211	-
Other[29]	-	1,376	-
Total Wholesale Value	-	276,241	-
SCALLOPS			
Landed	18	56	3.15
Processed:			
In shell, Fresh or Frozen	30	114	3.76
Total Wholesale Value	-	114	-
SEA URCHINS			
Landed	1,764	712	0.40
Processed:			
Roe in trays	92	1,661	17.96
Bulk Roe	19	106	5.73
Other[30]	-	7	-
Total Wholesale Value	-	1,774	-

TABLE 29 - CONT'D

SPECIES	QUANTITY (Tonnes)	VALUE ($'000)	AVG. PRICE[2] ($/KG)
SHRIMP			
Landed	409	1,022	2.50
Processed:[31]			
Fresh	83	334	4.05
Frozen	18	101	5.70
Shrimp Meat, Fresh	104	1,396	13.40
Shrimp Meat, Frozen	8	105	13.26
Other[32]	-	237	-
Total Wholesale Value	-	2,173	-
SKATE			
Landed	390	56	0.14
Processed:			
Fresh	10	18	1.86
Wings	46	90	1.98
Other[33]	-	12	-
Total Wholesale Value	-	120	-
SMELT			
Landed	2	4	2.30
Processed:			
Fresh or Frozen	1	2	2.30
Total Wholesale Value	-	2	-
SOLE			
Dover Sole Landed[34]	-	-	-
Processed:			
Fresh or Frozen	33	35	1.08
Fillets, Fresh	21	108	5.25
Fillets, Frozen	2	12	6.15
Total Wholesale Value	-	155	-
English Sole Landed[34]	-	-	-
Processed:			
Fresh or Frozen	6	9	1.57
Fillets, Fresh	41	225	5.48
Fillets, Frozen	10	52	5.33
Total Wholesale Value	-	286	-
Petrale Sole Landed[34]	-	-	-
Processed:			
Fresh	52	87	1.66
Frozen	33	78	2.37
Fillets, Fresh	59	371	6.32
Fillets, Frozen	19	136	7.04
Total Wholesale Value	-	672	-

TABLE 29 - CONT'D

SPECIES	QUANTITY (Tonnes)	VALUE ($'000)	AVG. PRICE[2] ($/KG)
Rock Sole Landed[34]	-	-	-
Processed:			
Fresh	17	16	0.96
Fillets, Fresh	169	893	5.29
Fillets, Frozen	179	971	5.43
Other[35]	-	12	-
Total Wholesale Value	-	1,892	-
Other Sole, Landed	3,225	2,072	0.64
Processed:			
Fresh or Frozen	168	376	2.24
Fillets, Fresh	193	1,078	5.59
Fillets, Frozen	55	297	5.40
Other[36]	-	157	-
Total Wholesale Value	-	1,908	-
SQUID			
Landed	14	17	1.27
Processed:			
Fresh	4	9	2.05
Other[37]	-	16	-
Total Wholesale Value	-	25	-
STURGEON			
Landed	8	12	1.55
Processed:			
Fresh	2	6	3.41
Other[38]	-	5	-
Total Wholesale Value	-	11	-
TUNA			
Landed (B.C. Ports)[39]	-	-	-
Processed:			
Frozen	34	110	3.25
Other	-	13	-
Total Wholesale Value	-	123	-
TURBOT			
Landed	360	75	0.21
Processed:			
Fillets, Fresh	25	56	2.26
Fillets, Frozen	45	128	2.85
Other[40]	-	1,062	-
Total Wholesale Value	-	1,246	-
MISCELLANEOUS FISH			
Landed[41]	550	114	-
Processed:			
Other Products[42]	-	3,281	-
Total Wholesale Value	-	3,281	-

TABLE 29 - CONT'D - FOOTNOTES

1 Any discrepancy in value figures is due to rounding.
2 Average price is based on totals prior to rounding.
3 Includes fresh meat and other abalone products.
4 Included in "other clams".
5 Includes fresh and frozen whole butter clams, canned nectar and chowder products.
6 Includes other geoduck products.
7 Includes horse clams.
8 Includes fresh or frozen clam meat, canned, bait, horse clam neck meat and other products.
9 Includes canned and other products.
10 Includes frozen dogfish products.
11 Includes frozen and other eulachon products.
12 Quantity reported in round weight.
13 Includes blocks, roe and other grey cod products.
14 Includes frozen hake and other products.
15 Incldues fresh fillets, blocks and other halibut products.
16 Includes herring spawn on kelp.
17 Includes mature and immature roe.
18 Includes fresh herring, kippers and kippered snacks, pickled, frozen for roe, carcasses for export, fillets and other herring products.
19 Includes frozen lingcod blocks, surimi and other products.
20 Includes canned and other oyster products.
21 Includes blocks and other Pacific ocean perch products.
22 Includes frozen pollock, blocks, surimi and other products.
23 Includes 124 tonnes of prawns worth an estimated $798 thousand not reported on sales slips.
24 Included in rockfish.
25 Includes other red snapper products.
26 Includes salmon roe.
27 Includes specialty packs.
28 Includes "No. 1 Grade" and "other grades."
29 Includes frozen round salmon, offal, offal meal, oil, heads, bait, milts and other products.
30 Includes other sea urchin products.
31 Includes shrimp products derived from imported shrimp.
32 Includes canned shrimp and other products.
33 Includes frozen skate and other products.
34 Included in "other sole."
35 Includes frozen rock sole, blocks, and other products.
36 Includes other sole products.
37 Includes frozen squid and fresh and frozen bait.
38 Includes frozen, smoked and other sturgeon products.
39 Does not include 18 tonnes worth $61,207 caught in U.S. waters and landed in Canada as well as 29 tonnes caught in U.S. waters valued at $51,934 and landed at U.S. ports by Canadian fishermen.
40 Includes frozen turbot and other products.
41 Includes non food fish, crayfish, snails, sea cucumber, idiotfish, mackerel and plankton.
42 Includes "other groundfish," "portions, sticks and specialty" products, "other shellfish," fish meal n.e.s., fish oil, n.e.s, solubles n.e.s., and kombu.

III. LICENCING OF THE B.C. FISHING AND FISH PROCESSING SECTORS - 1984

The total number of personal commercial fishing licences issued by the Department of Fisheries and Oceans in 1984 declined by 5 percent from 15,439 in 1983 to 14,647. Due to the fact that 1984 was the third year in which a 5 year licence was issued, the overall decline in numbers of licences issued may not actually reflect a decrease in the number of people licenced to fish - i.e. holders of 5 year licences only renew every five years. A total of 487 5 year licences, as well as 14,160 traditional 1 year licences were issued compared to 749 and 14,690 issued in 1983 respectively. It should be noted that a total of 3,027 5 year licences were valid during 1984.

In overall terms, the number of licences issued by the Department of Fisheries and Oceans for commercial fisheries remained relatively constant for the fourth year in succession. In 1984 there was a dramatic increase in the number of exclusive Northern Native Fishing Corporation (N) licences issued, from 139 in 1983 to 251. This was due to the fact that a substantial number of category A licences were surrendered by the NNFC, and in turn, the Department of Fisheries and Oceans issued N licences in their place upon application. These licences, held by the NNFC, are leased to individual native fishermen. Consequently, the total number of A licences issued in 1984 dropped from 3,782 to 3,679. The number of temporary B licences issued dropped significantly in 1984. This resulted from the fact that the term of most B licences expired on December 31, 1983, and vessel owners were eligible in 1984 to apply for C licences to replace the B. Also, since 1983, specific limited entry licences have been issued for geoducks and spawn-on-kelp fisheries which were previously permit fisheries. In 1984 28 spawn-on-kelp licences were issued along with 54 geoduck licences.

The number of fish processing plants licenced by the Ministry of Environment decreased by 13 percent in 1984, from 213 to 186. The number of salmon processing licences issued declined while the numbers of roe herring and invertebrate licences rose slightly. No marine plant processing licences were issued in 1984.

The number of fish buying licences issued to persons and/or companies decreased for the third consecutive year. A total of 417 were issued in 1984, compared to 500 in 1983, a drop of 20 percent. Specifically, the number of fish buying decals issued were: 281 for salmon, 178 for roe herring, 96 for other finfish and 67 for invertebrates. A total of 272 fisherman's vending licences were also issued in 1984; as compared to 347 in 1983. Finally, 127 oyster picking permits and 27 marine plant harvesting permits were issued by the Ministry of Environment.

TABLE 30 - THE NUMBER OF PERSONAL COMMERCIAL FISHING LICENCES ISSUED BY THE DEPARTMENT OF FISHERIES AND OCEANS: BY CITY 1982-1984[1]

	1982		1983		1984	
	1 Year	5 Year	1 Year	5 Year[2]	1 Year	5 Year[2]
KAMLOOPS	6		7		7	
NEW WESTMINSTER	2,548	36	2,341	126	2,161	154
NANAIMO	3,226	240	3,279	99	3,334	59
PORT ALBERNI	1,418		1,351		1,340	
CAMPBELL RIVER	2,143		2,129		2,097	
KITIMAT	396		391		314	
PRINCE RUPERT	1,424	369	1,349	73	1,321	55
QUEEN CHARLOTTE CITY	423		282		322	
VICTORIA	1,704		1,601		1,455	
VANCOUVER	2,086	1,228	1,915	451	1,782	219
WHITEHORSE	51		45		27	
TOTAL	15,425	1,873	14,690	749	14,160	487

1 Information provided by the Licencing Section, Department of Fisheries and Oceans.

2 A total of 2609 5 year licences were valid during 1983 and 3,027 5 year licences were valid during 1984.

TABLE 31 - THE NUMBER OF LICENCES ISSUED FOR COMMERCIAL FISHERIES BY THE DEPARTMENT OF FISHERIES AND OCEANS: BY FISHERY AND LICENCE CATEGORY 1982 - 1984[1]

FISHERY	LICENCE CATEGORY	1982	1983	1984
Salmon				
Non-Indian	A	4,112	3,782	3,679
Indian	AI	358	550[2] (A seine)	551[2] (Seine)
Temporary	B	168	155	10
N.N.F C.[3]	N	-	139	251
Salmon Subtotal		4,638	4,626	4,491
Roe Herring				
Non-Indian	H	1,111	1,325 (H Gillnet)[4]	1,326 (Gillnet)[4]
Indian	HI	460	252 (H Seine)[4]	251 (Seine)[4]
Roe Herring Subtotal		1,571	1,577[5]	1,577[5]
Spawn on Kelp	J	-	28	28
Halibut	L	433	429	433
Groundfish Trawl	T	147	139	141
Shrimp Trawl	S	247	243	242
Sablefish	K	45	44	46
Abalone	E	26	26	26
Geoduck	G	-	46	54
Selected Species	C	1,072	1,010	1,111

1 Information provided by the Licencing Section, Department of Fisheries and Oceans.
2 Gear distinction for Salmon seine licences in 1983 and 1984.
3 Northern Native Fishing Corporation exclusive licences.
4 Roe Herring licences differentiated by gear type for 1983 and 1984.
5 Of the 1577 Roe Herring licences, in 1983, 460 were HI and in 1984, 464 were HI.

TABLE 32 - THE NUMBER OF LICENCES ISSUED FOR COMMERCIAL FISHERIES BY THE DEPARTMENT OF FISHERIES AND OCEANS: SPECIAL FISHERIES (Z) - UNLIMITED ENTRY - 1983 - 1984[1]

		1983	1984
B. Unlimited Licences			
Packing	D	227	211
Processor	P	3	4
Special Fisheries - Fishing with a Vessel Z			
Clams		1	1
Weathervane Scallops		18	6
Red Sea Urchin		64	85
Sea Cucumber		44	29
Squid Species		165	99
Euphausiid		7	8
Copepod		0	0
Prawn		568	693
Pink or Spiny Scallop		11	17
Octopus		131	84
Anchovy		54	20
Surf and Pile Perch		14	35
Special Fisheries - Fishing Without a Vessel Z			
Mussel		19	12
Welk		0	0
Winkles		0	1
Top Snail		0	1
Limpet		0	1
Goose Barnacle		2	18
Octopus		20	13
Smelt		17	25
Eulachon		6	3

1 Information provided by the Licencing Section, Department of Fisheries and Oceans.

TABLE 33 - THE NUMBER OF FISH PROCESSING, FISH BUYING AND FISHERMAN'S VENDING LICENCES ISSUED BY THE MINISTRY OF ENVIRONMENT: BY LICENCE TYPE - 1983 - 1984[1]

	1983	1984
Processing Licences		
Commercial Salmon Cannery	18	13
Sport Caught Salmon Cannery	1[2]	2[2]
Salmon	135	90
Roe Herring	36	38
Fin Fish	79	76
Invertebrates	73	87
Cold Storage:		
a. over 80 m^3	61	53
b. under 80 m^3	37	44
Marine Plants	1	0
Buyer Licence Decals Issued		
Salmon	320	281
Roe Herring	236	178
Fin Fish	110	96
Invertebrates	80	67
Fisherman's Vending Licences	347	272
Oyster Picking Permits	133	127
Marine Plant Harvesting Licences	21	27

1 Covers the fiscal year period from April 1 to March 31.
2 Three and four companies were licenced to can sport caught fish in 1983 and 1984 respectively; in each year, two were already covered by commercial salmon cannery licences while the others were exclusively licenced as sport caught canneries.

TABLE 34 - CANADIAN CONSUMER PRICE INDEX FOR ALL ITEMS AND SELECTED FOOD ITEMS FOR 1973 - 1984

1981 = 100

YEAR	ALL ITEMS	FISH	POULTRY	MEAT
1973	47.6	38.9	49.6	48.0
1974	52.8	48.3	56.3	51.5
1975	58.5	50.0	61.2	53.7
1976	62.9	55.0	63.1	52.9
1977	67.9	60.7	63.3	54.2
1978	73.9	69.2	72.7	72.1
1979	80.7	76.9	82.4	87.8
1980	88.9	87.4	86.1	93.2
1981	100.0	100.0	100.0	100.0
1982	110.8	109.5	104.4	105.0
1983	117.2	115.0	107.8	105.8
1984	122.3	120.6	114.6	110.8

Source: - Canada, Statistics Canada, Consumer Prices and Price Indexes, October - December, 1984. Ottawa: Supply and Services Canada, March 1985.
- Table 8: Consumer Price Index for Canada, All Items, 1973-1984, p. 24.
- Table 9: Consumer Price Index for Canada - Main Components, Sub-groups and Selected Items, pp. 25-26.
- Personal Communication, Statistics Canada, July 12, 1985.

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